

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/980,644A  
Source: IFW16  
Date Processed by STIC: 3/14/06

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 03/14/2006

PATENT APPLICATION: US/09/980,644A

TIME: 11:44:02

Input Set : A:\Sequence Listing 6277.1US.ST25.txt

Output Set: N:\CRF4\03142006\I980644A.raw

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3 <110> APPLICANT: Universtiy of Utah Research Foundation
4     Bessereau, Jean-Louis
5     Jorgensen, Erik
7 <120> TITLE OF INVENTION: Method of Transposon-Mediated Mutagenesis in the Nematode
8     Caenorhabditis Elegans
10 <130> FILE REFERENCE: 0274-6277.1US
12 <140> CURRENT APPLICATION NUMBER: US 09/980,644A
13 <141> CURRENT FILING DATE: 2001-11-01
15 <150> PRIOR APPLICATION NUMBER: PCT/US00/40091
16 <151> PRIOR FILING DATE: 2000-06-01
18 <150> PRIOR APPLICATION NUMBER: US 60/136,972
19 <151> PRIOR FILING DATE: 1999-06-01
21 <160> NUMBER OF SEQ ID NOS: 56
23 <170> SOFTWARE: PatentIn version 3.2
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 26
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Primer oJL102
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37 <210> SEQ ID NO: 2
38 <211> LENGTH: 23
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Primer oJL104
45 <400> SEQUENCE: 2
46 acaaagagcg aacgcagacg agt                                    23
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 25
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Primer oJL103
57 <400> SEQUENCE: 3
58 tctgcgagtt gtttttgcgt ttgag                                25
61 <210> SEQ ID NO: 4
62 <211> LENGTH: 18
63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial
66 <220> FEATURE:

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67 <223> OTHER INFORMATION: Primer oJL88
69 <400> SEQUENCE: 4
70 cgcattgcggc ttactcac 18
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 22
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Primer oJL89
81 <400> SEQUENCE: 5
82 ggccccatcc gattaccacc ta 22
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 21
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Primer oJL19
93 <400> SEQUENCE: 6
94 gcgaaacgca taccaactgt a 21
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 21
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Primer oJL20
105 <400> SEQUENCE: 7
106 ttcatgccga aaagcaggcg t 21
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 21
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Primer oJL132
117 <400> SEQUENCE: 8
118 atatgcggtg cgatgggtga g 21
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 22
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Primer oJL133
129 <400> SEQUENCE: 9
130 ggccaacgcg atgagaagaa ag 22
133 <210> SEQ ID NO: 10
134 <211> LENGTH: 26
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Primer oJL114

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141 <400> SEQUENCE: 10
142 aaagattcag aaggtcggta gatggg 26
145 <210> SEQ ID NO: 11
146 <211> LENGTH: 22
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Primer oJL115
153 <400> SEQUENCE: 11
154 gctcaattcg cgccaaacta tg 22
157 <210> SEQ ID NO: 12
158 <211> LENGTH: 24
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Primer oJL116
165 <400> SEQUENCE: 12
166 gaacgagaga ggcagatgga gagg 24
169 <210> SEQ ID NO: 13
170 <211> LENGTH: 21
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Primer oJL129
177 <400> SEQUENCE: 13
178 ccaaatgcgt ctgtcccact c 21
181 <210> SEQ ID NO: 14
182 <211> LENGTH: 24
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Primer oJL149
189 <400> SEQUENCE: 14
190 aagtatggcc aaacgacccg acac 24
193 <210> SEQ ID NO: 15
194 <211> LENGTH: 23
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial
198 <220> FEATURE:
199 <223> OTHER INFORMATION: primer oJL150
201 <400> SEQUENCE: 15
202 gcattggcac ctttctccct tct 23
205 <210> SEQ ID NO: 16
206 <211> LENGTH: 21
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial
210 <220> FEATURE:
211 <223> OTHER INFORMATION: primer oJL145
213 <400> SEQUENCE: 16

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214 acaggcagca tttttagtc t                                     21
217 <210> SEQ ID NO: 17
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219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial
222 <220> FEATURE:
223 <223> OTHER INFORMATION: primer oJL148
225 <400> SEQUENCE: 17
226 aggctgcctc gtaagttcct acag                                     24
229 <210> SEQ ID NO: 18
230 <211> LENGTH: 51
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial
234 <220> FEATURE:
235 <223> OTHER INFORMATION: artificial intron
237 <400> SEQUENCE: 18
238 gtaagtttaa acatatatac taactaaccc atggattatt taaattttca g      51
241 <210> SEQ ID NO: 19
242 <211> LENGTH: 26
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial
246 <220> FEATURE:
247 <223> OTHER INFORMATION: primer oJL21
249 <400> SEQUENCE: 19
250 cgaagcttgc tggacggaaa tagtgg                                     26
253 <210> SEQ ID NO: 20
254 <211> LENGTH: 26
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial
258 <220> FEATURE:
259 <223> OTHER INFORMATION: primer oJL22
261 <400> SEQUENCE: 20
262 cgacgcgttc ttgaagttta gagaat                                     26
265 <210> SEQ ID NO: 21
266 <211> LENGTH: 34
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial
270 <220> FEATURE:
271 <223> OTHER INFORMATION: primer oJL77
273 <400> SEQUENCE: 21
274 gcacgcgtta tgctgagttt cgtgccgaat aaag                             34
277 <210> SEQ ID NO: 22
278 <211> LENGTH: 49
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial
282 <220> FEATURE:
283 <223> OTHER INFORMATION: primer oJL78
285 <400> SEQUENCE: 22
286 gcgctagcta ttcaaagtat ttgccgtcgc tcgcgacaca tttttccca      49

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Input Set : A:\Sequence Listing 6277.1US.ST25.txt

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289 <210> SEQ ID NO: 23
290 <211> LENGTH: 347
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial
294 <220> FEATURE:
295 <223> OTHER INFORMATION: inverse PCR product
297 <400> SEQUENCE: 23
298 cagtcaaggt tgacacttac aaggtcaaag ttttatgaca atcgataaat atttacgttt      60
300 gcgagacatc tatatgttcg aaccgacatt ccctacttgt acacctggta aatgaaagct      120
302 ggtgacgtgg agattacgtc cccgtaaaaa ttattgcgaa atatgcaacg gtggccgaga      180
304 aaatccgcga ccccgtcgac ccagacacgg ttgattctcc agtgacggtc gatcaacaaa      240
306 aaagatccat ttttcatctc cagtaacgat acgatgcaaa aacgacttcc ttttgtatcg      300
308 tgaaagcaaa atttcgcatt tgtttttgcg cctctccatc tgccctct      347
311 <210> SEQ ID NO: 24
312 <211> LENGTH: 21
313 <212> TYPE: DNA
314 <213> ORGANISM: Drosophila mauritiana
316 <400> SEQUENCE: 24
317 gcagtcaaca tgcgcagttt c      21
320 <210> SEQ ID NO: 25
321 <211> LENGTH: 18
322 <212> TYPE: DNA
323 <213> ORGANISM: Drosophila mauritiana
325 <400> SEQUENCE: 25
326 gatgctcaaa cgcaaaaa      18
329 <210> SEQ ID NO: 26
330 <211> LENGTH: 20
331 <212> TYPE: DNA
332 <213> ORGANISM: Drosophila mauritiana
334 <400> SEQUENCE: 26
335 tttgaataaa tgattttttc      20
338 <210> SEQ ID NO: 27
339 <211> LENGTH: 4
340 <212> TYPE: PRT
341 <213> ORGANISM: Drosophila mauritiana
343 <400> SEQUENCE: 27
344 Met Ser Ser Phe
345 1
348 <210> SEQ ID NO: 28
349 <211> LENGTH: 6
350 <212> TYPE: PRT
351 <213> ORGANISM: Drosophila mauritiana
353 <400> SEQUENCE: 28
354 Asp Ala Gln Thr Gln Lys
355 1      5
358 <210> SEQ ID NO: 29
359 <211> LENGTH: 30
360 <212> TYPE: DNA
361 <213> ORGANISM: Artificial

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 03/14/2006  
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Input Set : A:\Sequence Listing 6277.1US.ST25.txt  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,29,30,31,32

Seq#:33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56

**VERIFICATION SUMMARY**

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